

INTERNATIONAL SEARCH REPORT

Inter. Application No
PCT/NL2005/000032

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E01H1/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 314 823 A (DE ZEVEN SON B.V) 28 May 2003 (2003-05-28) paragraph '0013! paragraphs '0019! - '0027!	1-5, 11-17
A	WO 00/20693 A (HECKETT MULTISERV FRANCE SA ; JACQUINET RENE (GB)) 13 April 2000 (2000-04-13) cited in the application the whole document	1-5, 11, 12, 14-16
X	DE 44 04 230 A (MAX STEINHART GMBH PFLASTER UN) 17 August 1995 (1995-08-17)	1-5, 14-16
Y	the whole document	6-10, 13, 17
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

18/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Movadat, R

INTERNATIONAL SEARCH REPORT

Inter Application No
PCT/NL2005/000032

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 200 08 568 U1 (OFTEC HANDELSGESELLSCHAFT FUER OBERFLAECHESTECHNIK MBH) 24 August 2000 (2000-08-24) page 2, last paragraph - page 3, last paragraph	1, 14, 15
Y	EP 0 381 904 A (PROTEE GROUPEMENT D'INTERET ECONOMIQUE) 16 August 1990 (1990-08-16) the whole document	6-9
Y	WO 98/00239 A (GRAVES NELSON D ; CYCLONE SURFACE CLEANING INC (US); MARLEY KEMPER JR) 8 January 1998 (1998-01-08) page 9, line 9 - line 19 abstract	10, 17
Y	US 6 378 163 B1 (CROCK TERRY ET AL) 30 April 2002 (2002-04-30) column 10, line 62 - column 11, line 9; figures 1, 2, 6, 11	13

INTERNATIONAL SEARCH REPORT

Inte Application No
PCT/NL2005/000032

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 1314823	A	28-05-2003	EP NL	1314823 A2 1021966 C1	28-05-2003 27-05-2003
WO 0020693	A	13-04-2000	WO AU	0020693 A1 9275698 A	13-04-2000 26-04-2000
DE 4404230	A	17-08-1995	DE	4404230 A1	17-08-1995
DE 20008568	U1	24-08-2000	NONE		
EP 0381904	A	16-08-1990	CA FR EP	1330851 C 2635024 A1 0381904 A1	26-07-1994 09-02-1990 16-08-1990
WO 9800239	A	08-01-1998	US AU AU EP JP WO	5826298 A 723056 B2 3794497 A 1006854 A2 2001508671 T 9800239 A2	27-10-1998 17-08-2000 21-01-1998 14-06-2000 03-07-2001 08-01-1998
US 6378163	B1	30-04-2002	US US	5991968 A 6129094 A	30-11-1999 10-10-2000